

Peak District National Park

Forecast valid from 00:00 on Monday 18 Sep 2023 until 23:59 on Tuesday 19 Sep 2023

Forecast Issued on Sunday 17 Sep 2023 at 14:32

Confidence: High for poor conditions Monday morning, improving later in the day, followed by further rain Tuesday. Also high for winds strengthening, especially Tuesday. Confidence in details then become Low but remains high for the general theme of staying unsettled with sunny spells and showers or longer spells of rain.

Headline for Monday 18 Sep 2023: Dry at first. Rain band spreading east late morning, clearing to brighter spells and showers. Turning much cooler on the tops.

Mountain weather hazards on Monday 18 Sep 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Fog	Mist	Light rain	Heavy Rain	Light rain	Sunny intervals	Heavy rain showers (night)	Light rain showers (night)
Precipitation probability							
10%	10%	30%	60%	30%	30%	30%	30%

Forecast for Monday 18 Sep 2023

Weather: Mist and fog patches during the early hours. Cloud thickening from the west during the morning, ahead of a band of heavy and perhaps thundery, rain moving east just before midday. Rain clearing early afternoon, with sunny spells, but also brisk westerly winds developing. Further isolated and gusty showers also spreading east, perhaps heavy and thundery at times, but moving quickly through. Feeling much cooler, especially on the tops.

Chance of cloud-free hill tops above 600m: 40%, with clearest conditions in west, improving to 90% early afternoon.

Low cloud and visibility: Widespread cloud at 500m, but perhaps patchier across western hills. Cloud briefly descending to around 400m with the passing of rain band later morning, then lifting to be largely above summits. Moderate to Poor visibility beneath the cloud during the morning, but increasing to Very good or excellent views during the afternoon, although views of distant hills occasionally limited due to passing showers.

Forecast for Monday 18 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/21 SE	16/23 S	17/25 SW	22/32 SW	21/32 W	23/34 W	20/29 W	21/31 SW	20/30 SW
300	12/19 SE	12/20 S	13/23 SW	17/27 SW	17/28 W	20/31 W	15/24 W	15/24 SW	15/24 SW
Valley	7/17 SE	8/19 S	10/22 S	14/27 SW	13/27 W	17/33 W	11/24 W	11/24 SW	10/23 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/10	13/10	12/9	12/8	10/6	10/6	8/3	6/2	6/2
300	15/13	15/14	14/12	14/11	12/10	12/9	10/8	9/6	9/6
Valley	15/15	16/15	15/13	14/12	13/11	13/10	11/8	10/7	9/7
Freezing Level*	2900m	2600m	2600m	2600m	2200m	1600m	1500m	1500m	1500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Very poor conditions for at times during the morning, with rain. Hills becoming much clearer, but also autumnal feeling during the afternoon. Further showers, perhaps thundery, will mean waterproofs will be needed and these could come and go rapidly, leading to sudden changes on the tops. Turning rather cold in exposure, with brisk winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at
14:00 on Sun 17 Sep 2023

Last 24 hours:
0mm

Last 48 hours:
0mm

Last 72 hours:
0mm

Forecast for Tuesday 19 Sep 2023

Weather: Cloud thickening from the west, with rain and drizzle spreading east during the morning. Rain and drizzle gradually easing through the day, but persistent on western upslopes. Some eastern hills staying dry. Milder than Monday, despite the very strong winds continuing to gradually strengthen. Chance of heavier, thundery rain after dark.

Maximum wind: Southwesterly 30mph gusting 50mph.

Chance of cloud-free hill tops above 600m: 70% at first, but soon falling to 20% in west, 70% in east. Best chances during the afternoon.

Low cloud and visibility: Widespread cloud spreading east during the morning and obscuring hills at 600m in west, with areas of cloud possible at 400m. Cloud more broken and patchy at 600m further east, with the best chance of clearer intervals during the afternoon. Moderate visibility for much of the day, and occasionally poor in any rain.

Temperature: **Valleys:** Plus 8 Celsius rising to Plus 19 Celsius
At 600m: Plus 6 Celsius rising to Plus 14 Celsius
Freezing level: Above summits.